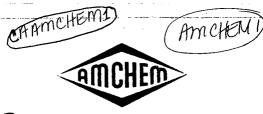
AMCHEM PRODUCTS, INC. 10 Education of Henkel Corporation 300 Brookside Avenue Ambler, PA 19002



DPM COATING

1453 CHENDA OFICM

POWDER OXY

# MATERIAL SAFETY DATA SHEET

PRODUCT TRADE NAME

Alodine 1200

D.O.T. PROPER SHIPPING NAME

Chromic Acid Mixture

D.O.T. HAZARD CLASSIFICATION

Oxidizer

REVISED

TECHNICAL CONTACT (NAME)

Charles Gruszka

TELEPHONE NUMBER

(215) 628-1364

**EMERGENCY NUMBER** 

(215) 628-1000

## 1 HAZARDOUS INGREDIENTS

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MATERIAL	CAS NO.	CONTENT(% WT/WT)	HAZARD Oxidizer	TLV
Chromic Acid	1333-82-0	20-30	Carcinogen, NTP	$0.05 \text{mg/M}^3$
Potassium Ferricyanide	13746-66-2	30-40	Irritant	N/A
Potassium Fluozirconate	16923-95-8	15-20	Irritant	N/A
Sodium Fluoborate	13755-29-8	10-15	Irritant	N/A

**2 PHYSICAL DATA** 

APPEARANCE dark orange powder

ODOR

slightly acidic

SPECIFIC GRAVITY

N/A

@ 60°F

OTHER:

N/A



SOLUBILITY IN WATER

appreciable



3 FIRE AND EXPLOSION DATA

FLASH POINT none

TEST METHOD

EXTINGUISHING MEDIA

water

unusual fire or explosion Hazards Do noteallow this material to come in contact with organic materials such as rags; sawdust, paper, etc. If this material is heated to decomposition, toxic cyanide fumes may be emitted.

SPECIAL FIRE FIGHTING PROCEDURES

none

#### **4 REACTIVITY DATA**

STABLE 17

UNSTABLE -

(CONDITIONS TO AVOID)

INCOMPATIBLE MATERIALS

organic materials, reducing agents, strong acids

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR To

MAY OCCUR I

CONDITIONS TO AVOID

HAZARDOUS DECOMPOSITION PRODUCTS

Some hydrogen fluoride; hydrogen cyanide. Addition of acids to this material will generate highly toxic hydrogen cyanide fumes.

## **5 HEALTH HAZARD DATA**

Skin:

Will burn.

Eyes:

Will burn.

Ingestion:

Will burn mucous membranes.

Inhalation:

Chromic acid dust can cause irritation and ulcers of

the nasal septum.

#### **6 FIRST AID RECOMMENDATIONS**

Skin: Wash with soap and water and rinse thoroughly.

Eyes: Flush immediately with copious amounts of water for

at least 15 minutes. Call a doctor.

Ingestion: Drink milk of magnesia, aluminum hydroxide gel, or limewater followed by several glasses of water. Call a doctor. Do not induce vomiting unless directed by a doctor.

Inhalation: Remove from contaminated area to fresh air. Any exposed person with any respiratory difficulty such as coughing, chest pain, breathing difficulty, dizziness, fatigue, etc., should be examined by a doctor and the doctor made aware of what materials the individual was exposed to.

## 7 SPILL PROCEDURES & WASTE DISPOSAL Alodine 1200

#### SPILL PROCEDURES

Transfer any excess to a clean polyethylene container. Treat remaining residue with a dilute solution of sodium metabisulfite to reduce chrome. Neutralize with lime to pH 7-8.

#### WASTE TREATMENT

Flush reduced and neutralized material to treatment plant with plenty of water and with approval of regulatory agency.

#### **8 PERSONAL PROTECTION**

**VENTILATION REQUIREMENTS** 

GENERAL AREA EXHAUST

LOCAL EXHAUST X

NO EXHAUST NECESSARY

PERSONAL PROTECTIVE EQUIPMENT

**EYE PROTECTION** 

safety goggles

SKIN PROTECTION

rubber gloves and aprons

RESPIRATORY PROTECTION

filter type dust respirator-NIOSH approved

OTHER REQUIRED EQUIPMENT

N/A

#### 9 SPECIAL PRECAUTIONS AND STORAGE

Keep separate from organic materials and resuding agents. Do not breathe dust or get in eyes or on skin. Do not open container in an unventilated space.

PREPARED BY

Charles Gruszka

4/2/86 (rev.)

TITLE

Senior Chemist